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optic neuritis heralding varicella zoster virus retinitis in a patient with acquired immunodeficiency syndrome (Meenken et al) 1998;43:534

### **Orthostatic hypotension; see Hypotension, orthostatic**

### **Oxidative stress**

increased sensitivity of fibroblasts from amyotrophic lateral sclerosis patients to oxidative stress (Aguirre et al) 1998;43:452

### **Paclitaxel**

physiological characterization of Taxol-induced large-fiber sensory neuropathy in the rat (Cliffer et al) 1998;43:46

### **Pallidus; see Globus pallidus**

### **Paralysis**

loss of electrical excitability in an animal model of acute quadriplegic myopathy (Rich et al) 1998;43:171

why do ICU patients become paralyzed? (Ruff) 1998;43:154 (Editorial)

### **Paraneoplastic syndromes**

detection of primary tumor in paraneoplastic cerebellar degeneration by FDG-PET (Shinohara et al) 1998;43:684 (Letter)

### **Parkinson's disease, analysis**

cerebrospinal fluid homovanillic acid levels in rapid-onset dystonia-parkinsonism (Brashear et al) 1998;43:521

### **Parkinson's disease, drug therapy**

adenosine A<sub>2A</sub> antagonist: a novel antiparkinsonian agent that does not provoke dyskinesia in parkinsonian monkeys (Kanda et al) 1998;43:507

chronic levodopa is not toxic for remaining dopamine neurons, but instead promotes their recovery, in rats with moderate nigrostriatal lesions (Murer et al) 1998;43:561

modification of levodopa responses by deprenyl (selegiline): an electrophysiological and behavioral study in the rat relevant to Parkinson's disease (Mercuri et al) 1998;43:613

welcome news about levodopa, but uncertainty remains (Fahn) 1998;43:551 (Editorial)

### **Parkinson's disease, genetics**

Association between the gene encoding the E2 subunit of the  $\alpha$ -ketoglutarate dehydrogenase complex and Parkinson's disease (Kobayashi et al) 1998;43:120

hereditary form of parkinsonism-dementia (Muentert et al) 1998;43:768

low frequency of  $\alpha$ -synuclein mutations in familial Parkinson's disease (Farrer et al) 1998;43:394

### **Parkinson's disease, mortality**

mortality in DATATOP: a multicenter trial in early Parkinson's disease (Parkinson Study Group) 1998;43:318

### **Parkinson's disease, pathology**

hypothesis: the role of dopaminergic transporters in selective vulnerability of cells in Parkinson's disease (Uhl) 1998;43:555 (Point of view)

low numbers and no loss of melanized nigral neurons with increasing age in normal human brains from India (Muthane et al) 1998;43:283

(R)salsolinol *N*-methyltransferase activity increases in parkinsonian lymphocytes (Naai et al) 1998;43:212

### **Parkinson's disease, physiopathology**

"all fall down": the mechanism of orthostatic hypotension in multiple systems atrophy and Parkinson's disease (Saper) 1998;43:149 (Editorial)

opposite motor effects of pallidal stimulation in Parkinson's disease (Krack et al) 1998;43:180

### **Parkinson's disease, surgery**

in vivo PET imaging in rat of dopamine terminals reveals functional neural transplants (Brownell et al) 1998;43:387

### **Partial epilepsy; see Epilepsy, partial**

### **Perfusion-weighted magnetic resonance imaging; see Magnetic resonance imaging**

### **Peripheral nerves**

gene transfer to Schwann cells after peripheral nerve injury: a delivery system for therapeutic agents (Sørensen et al) 1998;43:205

### **PET; see Tomography, emission-computed**

### **Phenotype**

Angelman syndrome: correlations between epilepsy phenotypes and genotypes (Minassian et al) 1998;43:485

identical mitochondrial DNA in monozygotic twins with discordant adrenoleukodystrophy phenotype (Wilichowski et al) 1998;43:836 (Letter)

### **Phosphorylation**

vulnerable neuronal subsets in Alzheimer's and Pick's disease are distinguished by their  $\tau$  isoform distribution and phosphorylation (Delacourte et al) 1998;43:193

### **Pick's disease; see Dementia, presenile**

### **Plasmodium falciparum**

neurological manifestations of falciparum malaria (Newton and Warrell) 1998;43:695 (Neurological progress)

### **PMP22; see Myelin proteins**

### **Polyradiculoneuritis**

matrix metalloproteinases MMP-9 and MMP-7 are expressed in experimental autoimmune neuritis and the Guillain-Barré syndrome (Kieseier et al) 1998;43:427

*N*-glycolylneuraminic acid-containing GM1 is a new molecule for serum antibody in Guillain-Barré syndrome (Odaka et al) 1998;43:830

### **Positron emission tomography; see Tomography, emission-computed**

### **Postpoliomyelitis syndrome**

sleep apnea in patients with postpolio syndrome (Dean et al) 1998;43:661

### **Premature infant; see Infant, premature**

### **Presenilin-1**

increased A $\beta$ 42(43) from cell lines expressing presenilin 1 mutations (Mehta et al) 1998;43:256

### **Presenilin-2**

amyloid angiopathy in a Volga German family with Alzheimer's disease and presenilin-2 mutation (N<sup>141</sup>I) (Nochlin et al) 1998;43:131

### **Primary position upbeat nystagmus; see Nystagmus**

### **Prions**

codon 219 Lys allele of PRNP is not found in sporadic Creutzfeldt-Jakob disease (Shibuya et al) 1998;43:826

### **Proencephalon**

fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells (Pincus et al) 1998;43:576

### **Proton magnetic resonance spectroscopy; see Nuclear magnetic resonance**

### **Pyramidal tracts**

limited corticospinal tract involvement in amyotrophic lateral sclerosis subjects with the A4V mutation in the

copper/zinc superoxide dismutase gene (Cudkowicz et al) 1998;43:703

#### **Quadriplegia**

loss of electrical excitability in an animal model of acute quadriplegic myopathy (Rich et al) 1998;43:171  
why do ICU patients become paralyzed? (Ruff) 1998;43:154 (Editorial)

#### **Quinidine**

quinidine sulfate therapy for the slow-channel congenital myasthenic syndrome (Harper and Engel) 1998;43:480

#### **Racial factors**

HTLV-I-associated facial nerve palsy in Africans and people of African descent (Preux et al) 1998;43:684 (Letter)

#### **Raclopride**

[<sup>11</sup>C]raclopride-PET studies of the Huntington's disease rate of progression: relevance of the trinucleotide repeat length (Antonini et al) 1998;43:253

#### **Ragged-red fibers**

neurotrophin-4 is up-regulated in ragged-red fibers associated with pathogenic mitochondrial DNA mutations (Walker and Schon) 1998;43:536

#### **Receptors, cholinergic**

effects of the nicotinic acetylcholine receptor agonist SIB-1508Y on object retrieval performance in MPTP-treated monkeys: comparison with levodopa treatment (Schneider et al) 1998;43:311

end-plate voltage-gated sodium channels are lost in clinical and experimental myasthenia gravis (Ruff and Lennon) 1998;43:370

purified IgG from seropositive and seronegative patients with myasthenia gravis reversibly blocks currents through nicotinic acetylcholine receptor channels (Bufler et al) 1998;43:458

quinidine sulfate therapy for the slow-channel congenital myasthenic syndrome (Harper and Engel) 1998;43:480

#### **Receptors, nicotinic**

effects of the nicotinic acetylcholine receptor agonist SIB-1508Y on object retrieval performance in MPTP-treated monkeys: comparison with levodopa treatment (Schneider et al) 1998;43:311

purified IgG from seropositive and seronegative patients with myasthenia gravis reversibly blocks currents through nicotinic acetylcholine receptor channels (Bufler et al) 1998;43:458

#### **Receptors, serotonin**

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT<sub>1B/1D</sub> receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

#### **Reflexes**

preserved tendon reflexes in *Campylobacter* neuropathy (Yuki and Hirata) (Letter); (Asbury and Cornblath) (Reply) 1998;43:546

skin vasomotor reflex in a patient with brainstem dysfunction (Tsunoda et al) 1998;43:838 (Letter)

#### **Relapsing-remitting multiple sclerosis; see Multiple sclerosis**

#### **Retinitis**

optic neuritis heralding varicella zoster virus retinitis in a patient with acquired immunodeficiency syndrome (Meenken et al) 1998;43:534

#### **Retinitis pigmentosa**

ataxia with isolated vitamin E deficiency and retinitis pigmentosa (Shimohata et al) 1998;43:273 (Letter)

#### **Rett syndrome**

cortical reflex myoclonus in Rett syndrome (Guerrini et al) 1998;43:472

#### **Reviewers**

ad hoc reviewers 1998;43:2

#### **Rhabdomyolysis**

very long chain acyl-coenzyme A dehydrogenase deficiency with adult onset (Smelt et al) 1998;43:540

#### **Risk factors**

valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

#### **RNA**

MELAS exhibits dominant negative effects on mitochondrial RNA processing (Koga et al) 1998;43:835 (Letter)

#### **RNA, transfer**

novel mutation in the mitochondrial tRNA<sup>Val</sup> gene associated with a complex neurological presentation (Tiranti et al) 1998;43:98

#### **Rostral ventrolateral medulla; see Medulla oblongata**

#### **Saccades**

paroxysmal tonic upgaze: a reappraisal of outcome (Hayman et al) 1998;43:514

#### **Salsolinol**

(R)salsolinol *N*-methyltransferase activity increases in parkinsonian lymphocytes (Naoi et al) 1998;43:212

#### **Schizencephaly**

cytomegalovirus infection and schizencephaly: case reports (Iannetti et al) 1998;43:123

#### **Schwann cells**

gene transfer to Schwann cells after peripheral nerve injury: a delivery system for therapeutic agents (Sørensen et al) 1998;43:205

#### **Sclerosis**

in vivo [<sup>11</sup>C]flumazenil-PET correlates with ex vivo [<sup>3</sup>H]flumazenil autoradiography in hippocampal sclerosis (Koepp et al) 1998;43:618

magnetic resonance imaging evidence of hippocampal injury after prolonged focal febrile convulsions (Van Landingham et al) 1998;43:413

prolonged febrile seizures and mesial temporal sclerosis (Shinnar) 1998;43:411 (Editorial)

temporal ictal electroencephalographic frequency correlates with hippocampal atrophy and sclerosis (Vossler et al) 1998;43:756

#### **Seizures**

dynamic [<sup>18</sup>F]fluorodeoxyglucose positron emission tomography and hypometabolic zones in seizures: reduced capillary influx (Cornford et al) 1998;43:801

epilepsies in twins: genetics of the major epilepsy syndromes (Berkovic et al) 1998;43:435

temporal distribution of partial seizures: comparison of an animal model with human partial epilepsy (Quigg et al) 1998;43:748

#### **Selegiline**

modification of levodopa responses by deprenyl (selegiline): an electrophysiological and behavioral study in the rat relevant to Parkinson's disease (Mercuri et al) 1998;43:613

mortality in DATATOP: a multicenter trial in early Parkinson's disease (Parkinson Study Group) 1998;43:318



**Sensory neuropathy; see Neuropathies, sensory**

**Serotonin**

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT<sub>1B/1D</sub> receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

**Single-photon emission-computed tomography; see Tomography, emission-computed, single-photon**

**Skin**

skin vasomotor reflex in a patient with brainstem dysfunction (Tsunoda et al) 1998;43:838 (Letter)

**Sleep apnea syndromes**

sleep apnea in patients with postpolio syndrome (Dean et al) 1998;43:661

**Sleep disorders**

narcolepsy in prepubertal children (Guilleminault and Pel-ayo) 1998;43:135

randomized trial of modafinil for the treatment of pathological somnolence in narcolepsy (US Modafinil in Narcolepsy Multicenter Study Group) 1998;43:88

**Slow-channel congenital myasthenic syndrome**

quinidine sulfate therapy for the slow-channel congenital myasthenic syndrome (Harper and Engel) 1998;43:480

**SMN gene; see Muscular atrophy, spinal**

**Sodium channels**

end-plate voltage-gated sodium channels are lost in clinical and experimental myasthenia gravis (Ruff and Lennon) 1998;43:370

**Sodium valproate; see Valproic acid**

**Somnolence; see Sleep disorders**

**Spinocerebellar degeneration**

progressive atrophy of cerebellum and brainstem as a function of age and the size of the expanded CAG repeats in the *MJD1* gene in Machado-Joseph disease (Onodera et al) 1998;43:288

proton magnetic resonance spectroscopy in an Italian family with spinocerebellar ataxia type 1 (Mascalchi et al) 1998;43:244

**Status epilepticus**

catastrophic deterioration and hippocampal atrophy after childhood status epilepticus (Gross et al) 1998;43:687 (Letter)

**Stiff-man syndrome**

stiff-leg syndrome: a focal form of stiff-man syndrome (Saiz et al) 1998;43:400

**Subependyma; see Ependyma**

**Substantia nigra**

chronic levodopa is not toxic for remaining dopamine neurons, but instead promotes their recovery, in rats with moderate nigrostriatal lesions (Murer et al) 1998;43:561

low numbers and no loss of melanized nigral neurons with increasing age in normal human brains from India (Muthane et al) 1998;43:283

**Superoxide dismutase**

limited corticospinal tract involvement in amyotrophic lateral sclerosis subjects with the A4V mutation in the copper/zinc superoxide dismutase gene (Cudkowicz et al) 1998;43:703

mutations in all five exons of *SOD-1* may cause ALS (Shaw et al) 1998;43:390

**Sural nerve**

unmyelinated nerve fibers in sural nerve in pure autonomic failure (Kanda et al) 1998;43:267

**Syndrome of inappropriate secretion of antidiuretic hormone; see Inappropriate ADH syndrome**

**Synuclein**

low frequency of  $\alpha$ -synuclein mutations in familial Parkinson's disease (Farrer et al) 1998;43:394

**T-lymphocytes**

increased serum levels of soluble CD95 (APO-1/Fas) in relapsing-remitting multiple sclerosis (Zipp et al) 1998;43:116

proinflammatory cytokines regulate antigen-independent T-cell activation by two separate calcium-signaling pathways in multiple sclerosis patients (Martino et al) 1998;43:340

**Task performance and analysis**

effects of the nicotinic acetylcholine receptor agonist SIB-1508Y on object retrieval performance in MPTP-treated monkeys: comparison with levodopa treatment (Schneider et al) 1998;43:311

**tau proteins**

cognitive, neuroimaging, and pathological studies in a patient with Pick's disease (Lieberman et al) 1998;43:259

tau is a candidate gene for chromosome 17 frontotemporal dementia (Poorkaj et al) 1998;43:815

vulnerable neuronal subsets in Alzheimer's and Pick's disease are distinguished by their  $\tau$  isoform distribution and phosphorylation (Delacourte et al) 1998;43:193

**Taxol; see Paclitaxel**

**Temporal lobe**

diffusion-weighted MRI in transient global amnesia: elevated signal intensity in the left mesial temporal lobe in 7 of 10 patients (Strupp et al) 1998;43:164

medial temporal lobe in dementia with Lewy bodies: a comparative study with Alzheimer's disease (Lippa et al) 1998;43:102

near and far visual space in unilateral neglect (Vuilleumier et al) 1998;43:406

prolonged febrile seizures and mesial temporal sclerosis (Shinnar) 1998;43:411 (Editorial)

**Temporal lobe epilepsy; see Epilepsy, temporal lobe**

**Tendons**

preserved tendon reflexes in *Campylobacter* neuropathy (Yuki and Hirata) (Letter); (Asbury and Cornblath) (Reply) 1998;43:546

**Tocopherol; see Vitamin E**

**Tomography, emission-computed**

[<sup>11</sup>C]raclopride-PET studies of the Huntington's disease rate of progression: relevance of the trinucleotide repeat length (Antonini et al) 1998;43:253

detection of primary tumor in paraneoplastic cerebellar degeneration by FDG-PET (Shinohara et al) 1998;43:684 (Letter)

dynamic [<sup>18</sup>F]fluorodeoxyglucose positron emission tomography and hypometabolic zones in seizures: reduced capillary influx (Cornford et al) 1998;43:801

on the functional anatomy of migraine (Goadsby and Fields) 1998;43:272 (Letter)

in vivo [<sup>11</sup>C]flumazenil-PET correlates with ex vivo [<sup>3</sup>H]flumazenil autoradiography in hippocampal sclerosis (Koepp et al) 1998;43:618

in vivo PET imaging in rat of dopamine terminals reveals functional neural transplants (Brownell et al) 1998;43:387

**Tomography, emission-computed, single-photon**

dopamine transporter density measured by [<sup>123</sup>I] $\beta$ -CIT single-photon emission computed tomography is normal in dopa-responsive dystonia (Jeon et al) 1998;43:792



**Tonic pupil**

paroxysmal tonic upgaze: a reappraisal of outcome (Hayman et al) 1998;43:514

**Topography; see Brain mapping****Torsion**

fast eye movement initiation of ocular torsion in mesodiencephalic lesions (Bentley et al) 1998;43:729

**Torsion dystonia; see Dystonia musculorum deformans****Transcription, genetic**

mutations in the glutamate transporter EAAT2 gene do not cause abnormal EAAT2 transcripts in amyotrophic lateral sclerosis (Aoki et al) 1998;43:645

**Transfection**

gene transfer to Schwann cells after peripheral nerve injury: a delivery system for therapeutic agents (Sørensen et al) 1998;43:205

**Transient global amnesia; see Amnesia****Trigeminal nuclei**

serotonin inhibits trigeminal nucleus activity evoked by craniovascular stimulation through a 5HT<sub>1B/1D</sub> receptor: a central action in migraine? (Goadsby and Hoskin) 1998;43:711

**Trinucleotide repeats**

[<sup>11</sup>C]raclopride-PET studies of the Huntington's disease rate of progression: relevance of the trinucleotide repeat length (Antonini et al) 1998;43:253

progressive atrophy of cerebellum and brainstem as a function of age and the size of the expanded CAG repeats in the *MJD1* gene in Machado-Joseph disease (Onodera et al) 1998;43:288

**tRNA; see RNA, transfer****Twins**

epilepsies in twins: genetics of the major epilepsy syndromes (Berkovic et al) 1998;43:435

identical mitochondrial DNA in monozygotic twins with discordant adrenoleukodystrophy phenotype (Wilichowski et al) 1998;43:835 (Letter)

neuroanatomical and neurocognitive differences in a pair of monozygous twins discordant for strictly defined autism (Kates et al) 1998;43:782

**Unmyelinated nerve fibers; see Nerve fibers****Up-regulation**

upregulation of Fas/Fas ligand in inclusion body myositis (Fyhr and Oldfors) 1998;43:127

**Valproic acid**

hyponatremia due to sodium valproate (Branten et al) 1998;43:265

valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

**Varicella-zoster virus**

optic neuritis heralding varicella zoster virus retinitis in a patient with acquired immunodeficiency syndrome (Meenken et al) 1998;43:534

**Vasomotor system**

skin vasomotor reflex in a patient with brainstem dysfunction (Tsunoda et al) 1998;43:838 (Letter)

**Very long chain acyl-coenzyme A dehydrogenase; see Fatty acid desaturases****Vision disorders**

near and far visual space in unilateral neglect (Vuilleumier et al) 1998;43:406

perfusion-weighted imaging defects during spontaneous migrainous aura (Cutrer et al) 1998;43:25

**Vitamin E**

ataxia with isolated vitamin E deficiency and retinitis pigmentosa (Shimohata et al) 1998;43:273 (Letter)

mortality in DATATOP: a multicenter trial in early Parkinson's disease (Parkinson Study Group) 1998;43:318

**White matter**

magnetization transfer changes in the normal appearing white matter precede the appearance of enhancing lesions in patients with multiple sclerosis (Filippi et al) 1998;43:809

**Women**

valproate, lamotrigine, and insulin-mediated risks in women with epilepsy (Isojärvi et al) 1998;43:446

**Zinc**

limited corticospinal tract involvement in amyotrophic lateral sclerosis subjects with the A4V mutation in the copper/zinc superoxide dismutase gene (Cudkowicz et al) 1998;43:703